

EAST  
DTH 1-M-06

## EAST Search History

| Ref # | Hits | Search Query   | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|------|--|-----------------|------------------|---------|------------------|
| S1    | 259  | 712/233.ccls.  | US-PGPUB; USPAT | OR               | ON      | 2006/06/14 13:41 |
| S2    | 228  | 712/237.ccls.  | US-PGPUB; USPAT | OR               | ON      | 2004/05/05 16:36 |
| S3    | 346  | 712/239.ccls.  | US-PGPUB; USPAT | OR               | ON      | 2004/05/05 16:37 |
| S4    | 111  | (henry-g\$.in. mcdonald-thom\$.in.) and g06f\$.ipc.  | US-PGPUB; USPAT | OR               | ON      | 2004/05/05 16:38 |
| S5    | 21   | (712/233.ccls. 712/237.ccls. 712/239.ccls.) and speculat\$3 with (stack buffer) with return  | US-PGPUB; USPAT | OR               | ON      | 2004/05/06 08:35 |
| S6    | 266  | ((speculat\$3 predict\$3) with return near3 address) with (stack buffer) and g06f\$.ipc.   | US-PGPUB; USPAT | OR               | ON      | 2004/05/06 08:37 |
| S7    | 28   | ((speculat\$3 predict\$3) with return near3 address) and ((speculat\$3 predict\$3) and (real actual logical)) near3 (stack buffer) and g06f\$.ipc. | US-PGPUB; USPAT | OR               | ON      | 2004/05/06 08:37 |
| S8    | 8    | (pop popped popping) with address with return with stack with decode   | US-PGPUB; USPAT | OR               | ON      | 2004/05/06 15:25 |
| S9    | 61   | (pop popped popping) with address with (stack buffer) with decod\$3 with return  | US-PGPUB; USPAT | OR               | ON      | 2004/05/06 15:26 |
| S10   | 0    | predict\$3 with return with "not" with cache   | US-PGPUB; USPAT | OR               | ON      | 2004/05/10 08:42 |
| S11   | 198  | predict\$3 with return with cache  | US-PGPUB; USPAT | OR               | ON      | 2004/05/10 08:43 |
| S12   | 0    | predict\$3 with return near5 in near2 cache  | US-PGPUB; USPAT | OR               | ON      | 2004/05/10 08:44 |
| S13   | 159  | predict\$3 with return near5 cache   | US-PGPUB; USPAT | OR               | ON      | 2004/05/10 09:29 |
| S14   | 1    | generat\$3 near3 predict\$3 with simultaneously with fetch\$3 with instruction   | US-PGPUB; USPAT | OR               | ON      | 2004/05/10 16:35 |
| S15   | 7    | (return near2 address) with sum near3 (fetch near2 address)  | US-PGPUB; USPAT | OR               | ON      | 2004/05/10 16:54 |
| S16   | 0    | (return near2 address) with sum near3 length   | US-PGPUB; USPAT | OR               | ON      | 2004/05/10 16:54 |
| S17   | 1    | (return near2 address) with sum near3 (offset displacement relative)   | US-PGPUB; USPAT | OR               | ON      | 2004/05/10 16:55 |
| S18   | 27   | (return near2 address) with (offset displacement relative) with fetch\$3   | US-PGPUB; USPAT | OR               | ON      | 2004/05/10 16:56 |

## EAST Search History

|     |    |   |                    |    |     |                  |
|-----|----|---|--------------------|----|-----|------------------|
| S19 | 73 | ((return link) near3 address) with<br>(offset displacement relative) near5<br>(call branch jump)  | US-PGPUB;<br>USPAT | OR | ON  | 2004/05/10 16:57 |
| S20 | 49 | ((return link) near3 address) with<br>(offset displacement relative) near5<br>(call branch jump) not ((return<br>near2 address) with (offset<br>displacement relative) with fetch\$3) | US-PGPUB;<br>USPAT | OR | ON  | 2004/05/10 16:57 |
| S21 | 21 | branch near2 length with cache  | US-PGPUB;<br>USPAT | OR | ON  | 2004/05/11 08:09 |
| S22 | 47 | branch near2 length with return   | US-PGPUB;<br>USPAT | OR | ON  | 2004/05/11 08:10 |
| S23 | 9  | branch with length with return with<br>cache  | US-PGPUB;<br>USPAT | OR | ON  | 2004/05/11 08:31 |
| S24 | 0  | branch with byte with offset with<br>return with cache  | US-PGPUB;<br>USPAT | OR | ON  | 2004/05/11 08:32 |
| S25 | 48 | branch with byte with return with<br>cache  | US-PGPUB;<br>USPAT | OR | ON  | 2004/05/11 08:34 |
| S26 | 6  | branch with offset with return with<br>cache  | US-PGPUB;<br>USPAT | OR | ON  | 2004/05/11 09:46 |
| S27 | 23 | stiles.in. and g06f\$.ipc. and branch<br>near3 predict\$3   | US-PGPUB;<br>USPAT | OR | ON  | 2004/05/11 10:09 |
| S28 | 50 | ((offset displacement) near5 line<br>near3 cache) with (branch call<br>jump)  | US-PGPUB;<br>USPAT | OR | ON  | 2004/05/11 10:10 |
| S29 | 6  | ("5812839" "6502185" "5353421"<br>"5761723" "5850543" "6088793").<br>pn.  | US-PGPUB;<br>USPAT | OR | OFF | 2004/05/11 11:34 |
| S30 | 43 | (henry-g\$.in. mcdonald-thom\$.in.)<br>and g06f\$.ipc. and stack  | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/27 13:32 |
| S31 | 72 | compar\$4 with (return near2<br>address\$2) same stack and g06f\$.<br>ipc.  | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/27 13:33 |
| S32 | 70 | compar\$4 with (return near2<br>address\$2) with stack and g06f\$.<br>ipc.  | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/27 13:33 |
| S33 | 54 | compar\$4 near5 (return near2<br>address\$2) same stack and g06f\$.<br>ipc.   | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/27 13:47 |
| S34 | 54 | (return near2 address\$2) with (first<br>adj2 stack) and g06f\$.ipc.  | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/27 13:48 |
| S35 | 15 | (return near2 address\$2) with (first<br>adj1 stack) and g06f\$.ipc.  | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/27 13:49 |
| S36 | 61 | (return near2 address\$2) and (first<br>adj1 stack) and (second adj1 stack)<br>and g06f\$.ipc.  | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/27 13:49 |

## EAST Search History

|     |     |   |                  |    |    |                  |
|-----|-----|---|------------------|----|----|------------------|
| S37 | 10  | (return near2 address\$2) same (first adj1 stack) same (second adj1 stack) and g06f\$.ipc.  | US-PGPUB; USPAT  | OR | ON | 2004/10/28 14:34 |
| S38 | 8   | (BTB BTAC (branch near2 target near2 (buffer cache))) same (target near5 offset with (PC "program counter"))                                  | US-PGPUB; USPAT  | OR | ON | 2004/10/28 12:46 |
| S39 | 16  | (BTB BTAC (branch near2 target near2 (buffer cache))) same (target near5 offset)  | USPAT            | OR | ON | 2004/10/28 12:59 |
| S40 | 11  | (BTB BTAC (branch near2 target near2 (buffer cache))) same (byte near2 offset)  | USPAT            | OR | ON | 2004/10/28 13:03 |
| S41 | 7   | offset with length with address with return   | USPAT            | OR | ON | 2004/10/28 13:07 |
| S42 | 154 | offset with length with return not (offset with length with address with return)  | USPAT            | OR | ON | 2004/10/28 13:07 |
| S43 | 44  | offset with length with return not (offset with length with address with return) and g06f\$.ipc.  | USPAT            | OR | ON | 2004/10/28 13:10 |
| S44 | 4   | ((length width size) near2 branch) with (position offset location) with (return)  | USPAT            | OR | ON | 2004/10/28 13:11 |
| S45 | 5   | (compar\$4 match\$3) with (return near2 address\$2) same ((first speculat\$3 predict\$3) near2 stack) same ((actual true second) near2 stack) | US-PGPUB; USPAT  | OR | ON | 2004/10/28 15:16 |
| S46 | 0   | (compar\$4 match\$3) with (return near2 address\$2) same ((first speculat\$3 predict\$3) near2 stack) same ((actual true second) near2 stack) | EPO; JPO         | OR | ON | 2004/10/28 15:16 |
| S47 | 0   | (compar\$4 match\$3) with (return near2 address\$2) same ((first speculat\$3 predict\$3) near2 stack) same ((actual true second) near2 stack) | DERWENT; IBM_TDB | OR | ON | 2004/10/28 15:17 |
| S48 | 57  | (compar\$4 match\$3) with (return near2 address\$2) with speculat\$3 predict\$3 with stack  | DERWENT; IBM_TDB | OR | ON | 2004/10/28 15:17 |
| S49 | 1   | (compar\$4 match\$3) with (return near2 address\$2) with (speculat\$3 predict\$3) with stack  | DERWENT; IBM_TDB | OR | ON | 2004/10/28 15:19 |
| S50 | 1   | (compar\$4 match\$3) with (return near2 address\$2) with (speculat\$3 predict\$3) with stack  | EPO; JPO         | OR | ON | 2004/10/28 15:20 |

## EAST Search History

|     |     |   |                  |    |     |                  |
|-----|-----|---|------------------|----|-----|------------------|
| S51 | 0   | (compar\$4 check\$3) near5 (return near2 address) with (before prior) near3 execut\$3   | EPO; JPO         | OR | ON  | 2004/10/28 15:21 |
| S52 | 0   | (compar\$4 check\$3) near5 (return near2 address) with (before prior) near3 execut\$3   | DERWENT; IBM_TDB | OR | ON  | 2004/10/28 15:21 |
| S53 | 1   | (compar\$4 check\$3) near5 (return near2 address) with (before prior) near3 execut\$3   | US-PGPUB; USPAT  | OR | ON  | 2004/10/28 15:21 |
| S54 | 7   | ("4315313"   "4394729"   "4399507"   "4488227"   "4546431"   "4890221"   "4991090").PN.   | USPAT            | OR | OFF | 2004/10/28 15:37 |
| S55 | 6   | ("4315313"   "4394729"   "4399507"   "4488227"   "4546431"   "4890221"   "4991090").PN. and stack                                       | USPAT            | OR | OFF | 2004/10/28 15:37 |
| S56 | 0   | ("4315313"   "4394729"   "4399507"   "4488227"   "4546431"   "4890221"   "4991090").PN. and stack same return same (compar\$4 match\$3) | USPAT            | OR | OFF | 2004/10/28 15:37 |
| S57 | 5   | ("4315313"   "4394729"   "4399507"   "4488227"   "4546431"   "4890221"   "4991090").PN. and stack same return                           | USPAT            | OR | OFF | 2004/10/28 15:37 |
| S58 | 12  | "5355459".URPN.   | USPAT            | OR | OFF | 2004/10/28 15:41 |
| S59 | 30  | target with length with offset with address   | US-PGPUB; USPAT  | OR | ON  | 2004/10/29 15:09 |
| S60 | 28  | target with length with offset with address with (add\$5 plus)  | US-PGPUB; USPAT  | OR | ON  | 2004/10/29 15:10 |
| S61 | 11  | target with length with offset with address with (added addition adding add plus)   | US-PGPUB; USPAT  | OR | ON  | 2004/11/01 08:28 |
| S63 | 0   | resolv\$3 with specualtive with return  | US-PGPUB; USPAT  | OR | ON  | 2005/03/17 09:43 |
| S64 | 10  | resolv\$3 with speculative with return  | US-PGPUB; USPAT  | OR | ON  | 2005/03/17 09:45 |
| S65 | 69  | compar\$4 with return with address with (before prior early)  | US-PGPUB; USPAT  | OR | ON  | 2005/03/17 09:47 |
| S66 | 48  | compar\$4 with return with address with (before prior early) and g06f\$.ipc.  | US-PGPUB; USPAT  | OR | ON  | 2005/03/17 09:47 |
| S67 | 2   | resolv\$3 with return with early  | US-PGPUB; USPAT  | OR | ON  | 2005/03/17 09:49 |
| S68 | 403 | return with early and g06f\$.ipc.   | US-PGPUB; USPAT  | OR | ON  | 2005/03/17 09:50 |

## EAST Search History

|     |    |   |                        |    |     |                  |
|-----|----|---|------------------------|----|-----|------------------|
| S70 | 8  | speculative with return with early and g06f\$.ipc.  | US-PGPUB; USPAT        | OR | ON  | 2005/03/17 09:51 |
| S71 | 16 | complet\$3 with return with early and g06f\$.ipc.   | US-PGPUB; USPAT        | OR | ON  | 2005/03/17 10:00 |
| S72 | 95 | return same (first speculative) near3 stack same (second actual) near3 stack and g06f\$.ipc.  | US-PGPUB; USPAT        | OR | ON  | 2005/03/17 10:01 |
| S73 | 5  | ("4394729"   "5179673"   "5276882"   "5313634"   "5355459").PN.   | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/17 12:55 |
| S74 | 28 | ("5604877").URPN.   | USPAT                  | OR | OFF | 2005/03/17 13:00 |
| S75 | 5  | ("5584037"   "5604877"   "5781753"   "5944817"   "5964868").PN.   | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/17 13:43 |
| S76 | 0  | ("6134654").URPN.   | USPAT                  | OR | OFF | 2005/03/17 17:07 |
| S77 | 11 | ("5142634" "5163140" "5353421" "5404467" "5530825" "5867701" "5948100" "5978909" "6044459" "6601161" "6647467").pn.   | USPAT                  | OR | OFF | 2005/03/17 17:08 |
| S78 | 6  | S77 and stack   | USPAT                  | OR | OFF | 2005/03/17 17:09 |
| S79 | 25 | ("5706491" "5313634" "5961629" "5832289" "5828901" "5864707" "6035391" "6081884" "6250821" "5805877" "6233676" "5623615" "6175897" "5734881" "6260138" "6823444" "6256727" "5931944" "5881260" "4860197" "5687360" "6088793" "6502185" "5513330" "6457120").pn.                                 | US-PGPUB; USPAT        | OR | OFF | 2005/08/22 08:14 |
| S80 | 25 | ("5634103" "5812839" "4181942" "5687349" "6279105" "5881265" "5968169" "6085311" "6308259" "5623614" "5768576" "6170054" "6279106" "5721855" "4200927" "6185676" "5394530" "20040030866" "20050044343" "20040139281" "20040139301" "20040143727" "20040143709" "20040139292" "20050076193").pn. | US-PGPUB; USPAT        | OR | OFF | 2005/08/22 08:17 |
| S81 | 25 | ("5706491" "5313634" "5961629" "5832289" "5828901" "5864707" "6035391" "6081884" "6250821" "5805877" "6233676" "5623615" "6175897" "5734881" "6260138" "6823444" "6256727" "5931944" "5881260" "4860197" "5687360" "6088793" "6502185" "5513330" "6457120").pn.                                 | US-PGPUB; USPAT        | OR | OFF | 2005/08/22 08:18 |

## EAST Search History

|      |     |   |                                   |    |     |                  |
|------|-----|---|-----------------------------------|----|-----|------------------|
| S82  | 29  | (S80 S81) and return near3 instruction  | US-PGPUB; USPAT                   | OR | ON  | 2005/08/22 08:18 |
| S83  | 23  | (S80 S81) and return near3 instruction and stack with return  | US-PGPUB; USPAT                   | OR | ON  | 2005/08/22 08:18 |
| S84  | 1   | "20020188833".pn.   | US-PGPUB; USPAT                   | OR | OFF | 2005/11/19 14:26 |
| S85  | 4   | ("5850532" "5752069" "20050198481" "20050198479").pn.   | US-PGPUB; USPAT                   | OR | OFF | 2005/11/19 14:28 |
| S86  | 3   | S85 and stack   | US-PGPUB; USPAT                   | OR | OFF | 2005/11/19 14:29 |
| S87  | 0   | S85 and stack near3 speculative   | US-PGPUB; USPAT                   | OR | OFF | 2005/11/19 14:29 |
| S88  | 100 | return same (first speculative) near3 stack same (second actual) near3 stack and g06f\$.ipc.                        | US-PGPUB; USPAT                   | OR | ON  | 2005/11/19 14:30 |
| S89  | 16  | return same (first speculative) near3 stack same (second actual) near3 stack same predict\$3 and g06f\$.ipc.        | US-PGPUB; USPAT                   | OR | ON  | 2005/11/19 14:43 |
| S90  | 308 | 712/233.ccls.   | US-PGPUB; USPAT                   | OR | ON  | 2005/11/19 14:36 |
| S91  | 351 | 712/234.ccls.   | US-PGPUB; USPAT                   | OR | ON  | 2005/11/19 14:36 |
| S92  | 269 | 712/237.ccls.   | US-PGPUB; USPAT                   | OR | ON  | 2005/11/19 14:36 |
| S93  | 180 | 712/238.ccls.   | US-PGPUB; USPAT                   | OR | ON  | 2005/11/19 14:36 |
| S94  | 422 | 712/239.ccls.   | US-PGPUB; USPAT                   | OR | ON  | 2005/11/19 14:36 |
| S95  | 3   | (return and (first speculative) near3 stack and (second actual) and stack and predict\$3 and (push\$3 pop\$4)).clm. | US-PGPUB                          | OR | ON  | 2005/11/19 14:40 |
| S96  | 0   | "6886093".pn.   | US-PGPUB                          | OR | ON  | 2005/11/19 14:40 |
| S97  | 2   | return same (first speculative) near3 stack same (second actual) near3 stack same predict\$3 and g06f\$.ipc.        | USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/11/19 14:44 |
| S98  | 8   | (call and return and stack and predict\$3 and compar\$4).clm.   | US-PGPUB                          | OR | ON  | 2006/04/20 16:14 |
| S100 | 33  | (henry-g\$.in. mcdonald-t\$.in.) and return and call and stack and g06f\$.ipc.                                      | US-PGPUB; USPAT                   | OR | ON  | 2006/04/20 16:16 |
| S101 | 4   | (henry-g\$.in. mcdonald-t\$.in.) and (return and call and stack and (compar\$3 match\$3)).clm.                      | US-PGPUB; USPAT                   | OR | ON  | 2006/04/20 16:17 |

## EAST Search History

|          |     |  |                    |    |    |                  |
|----------|-----|--|--------------------|----|----|------------------|
| S10<br>2 | 317 | 712/233.ccls.  | US-PGPUB;<br>USPAT | OR | ON | 2006/04/20 16:17 |
| S10<br>3 | 279 | 712/237.ccls.  | US-PGPUB;<br>USPAT | OR | ON | 2006/04/20 16:17 |
| S10<br>4 | 442 | 712/239.ccls.  | US-PGPUB;<br>USPAT | OR | ON | 2006/04/20 16:18 |
| S10<br>5 | 186 | 712/238.ccls.  | US-PGPUB;<br>USPAT | OR | ON | 2006/04/20 16:18 |
| S10<br>6 | 368 | 712/234.ccls.  | US-PGPUB;<br>USPAT | OR | ON | 2006/04/20 16:18 |
| S10<br>7 | 12  | ("6101595" "6157988" "6968444"<br>"6725357" "6041405" "6754808"<br>"6374350" "5434985" "5553246"<br>"6122729" "6748441" "6321321").<br>pn. | US-PGPUB;<br>USPAT | OR | ON | 2006/06/14 13:42 |
| S10<br>8 | 2   | S107 and stack   | US-PGPUB;<br>USPAT | OR | ON | 2006/06/14 13:43 |